Appln No. 09/476,303
Applicant Gilbert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
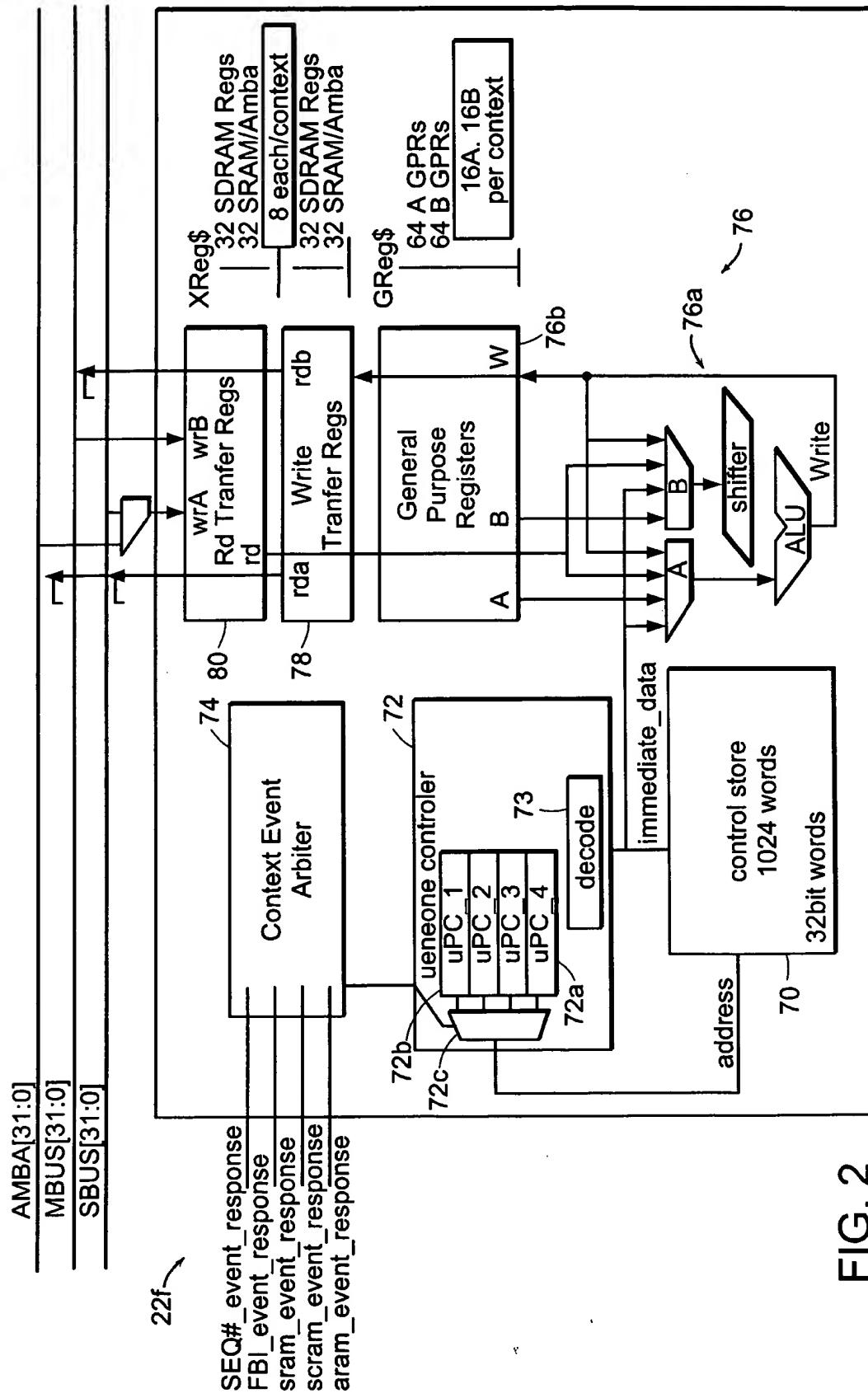PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH

Page 1

FIG. 1

Appln No.: 09/476,303
Applicant(s): ...ert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH

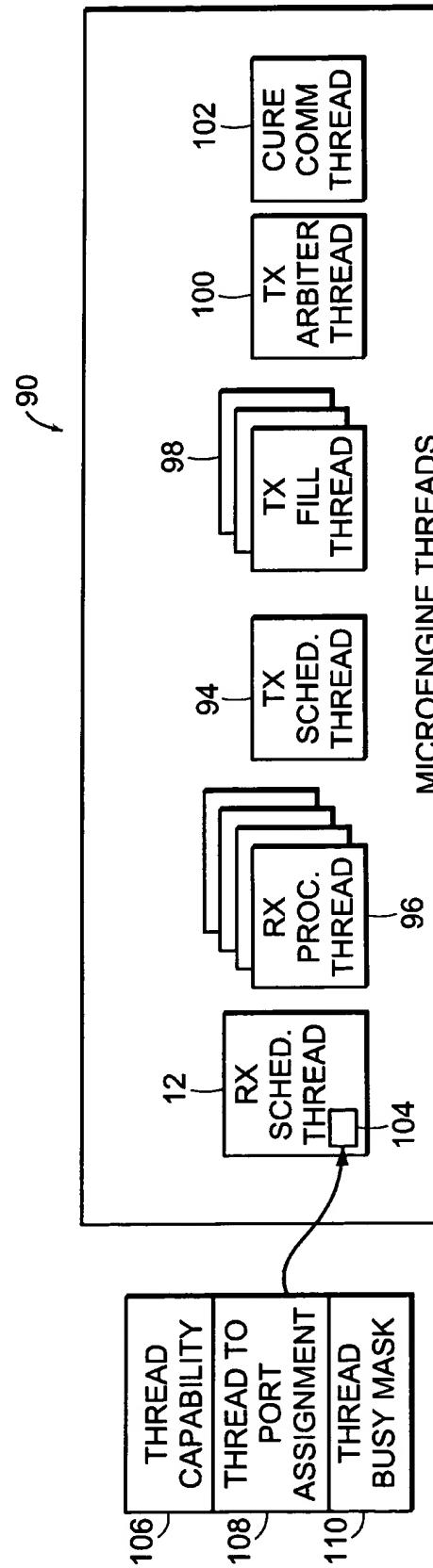Page 2 of 12

FIG. 2

FIG. 3

Appln No.: 09/xx6,303   Page 4 of 12

Applicant(s): xxbert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH
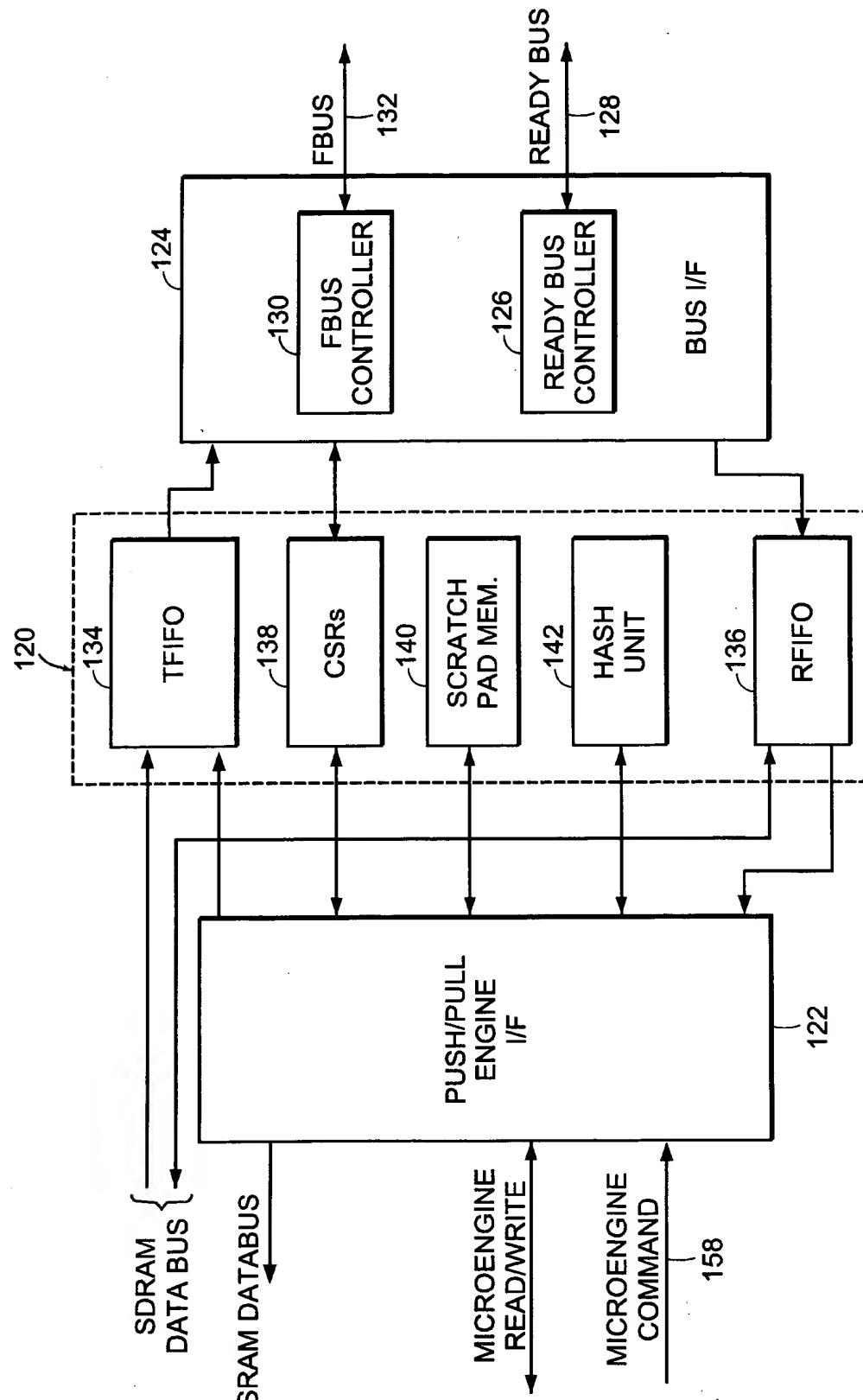
FIG. 4
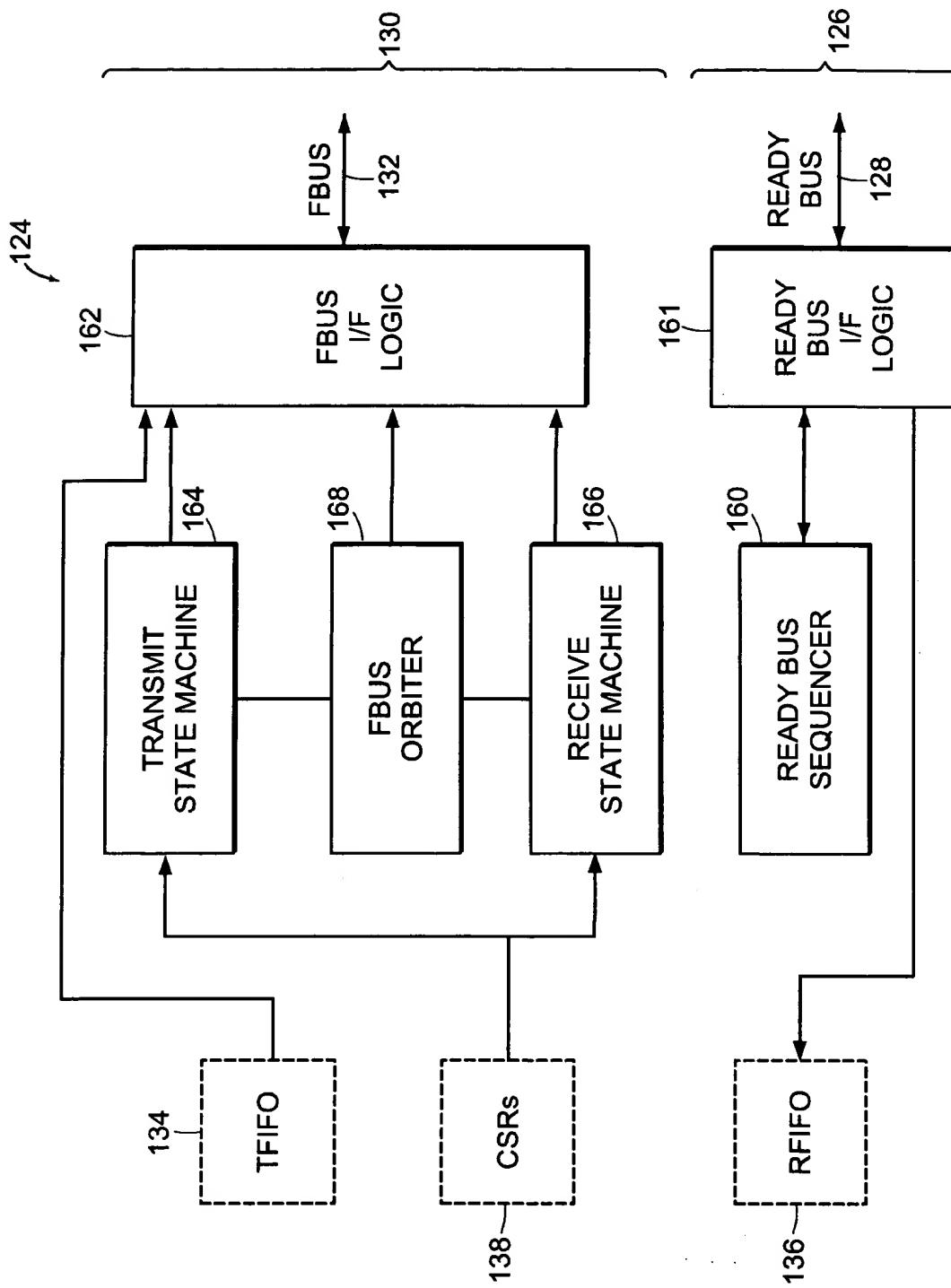
FIG. 5

Appln No.: 09/476,303
Applicant(s): ⬤ert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH

Page 6 of 12

FIG. 6A

Appln N... ...9/476,303
Applica... ... Gilbert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH

Page 7... ...2

31   0   174

RES	FPTM	APW	APE	RES	APOR	STE	RCV_SCHED_ THD_ID

174a   174b   174c   174d   174e   174f   174g   174h

FIG. 6B

31   0   178

RDYBUS_TEMPLATE_CTL

FIG. 6C

31   0   180

RDYBUS_SYNCH_COUNT_DEFAULT

FIG. 6D

FIG. 7

216

RES	RDYNS	FCMA	FRDY2	FRDY1	RES	RCV_REG_CNT	RCV_RDY_CNT

216a 216b 216c 216d 216e 216f 216g 216h

31   0

FIG. 8A

210A

217a 32
0

63

FIG. 8B

210B

217b 0

31

FIG. 8C

FIG. 9

Applica s): Gilbert Wolrich et al.
PORT BLOCKING TECHNIQUE FOR MAINTAINING RECEIVE
PAKCET ORDERING FOR A MULTIPLE ETHERNET PORT
SWITCH

230

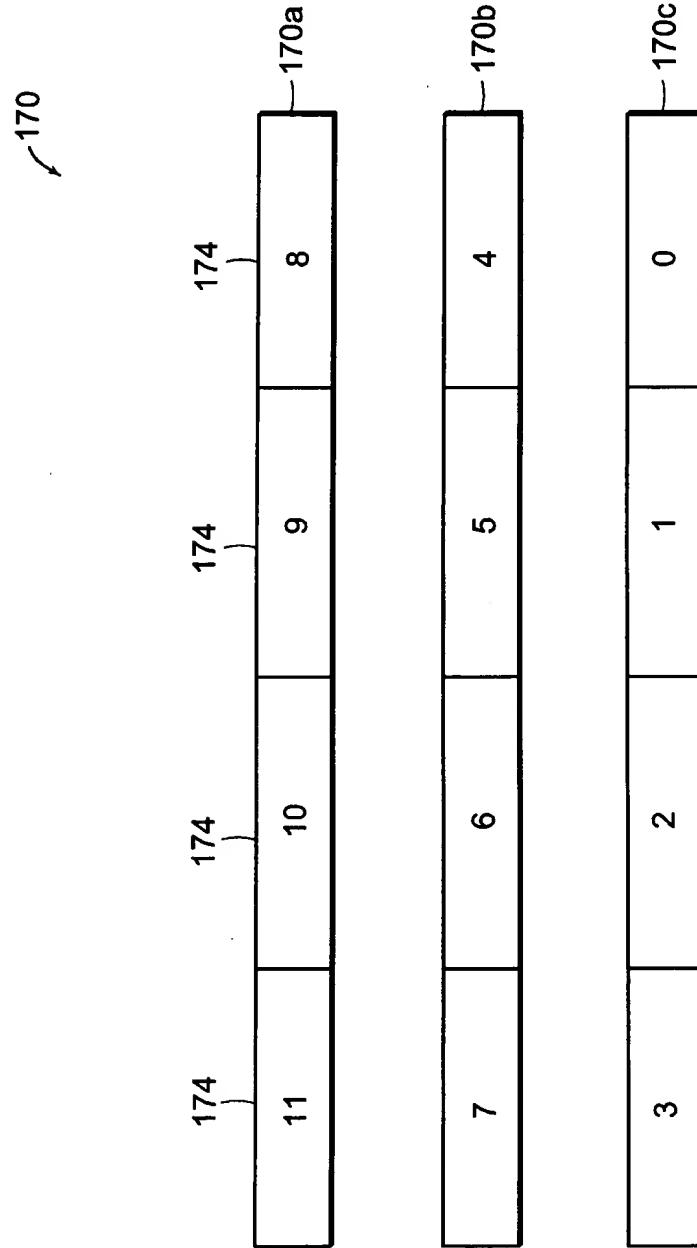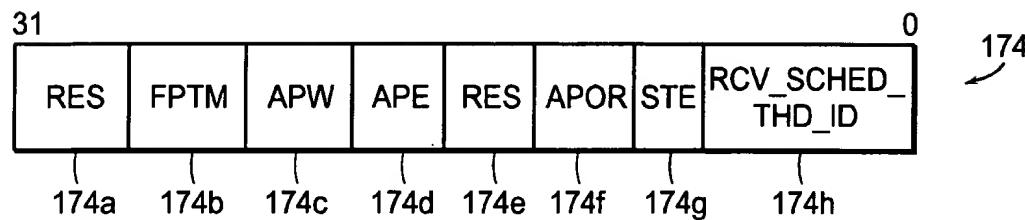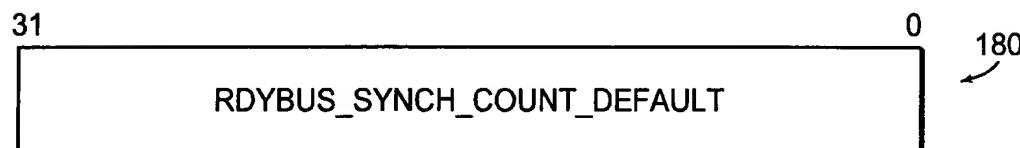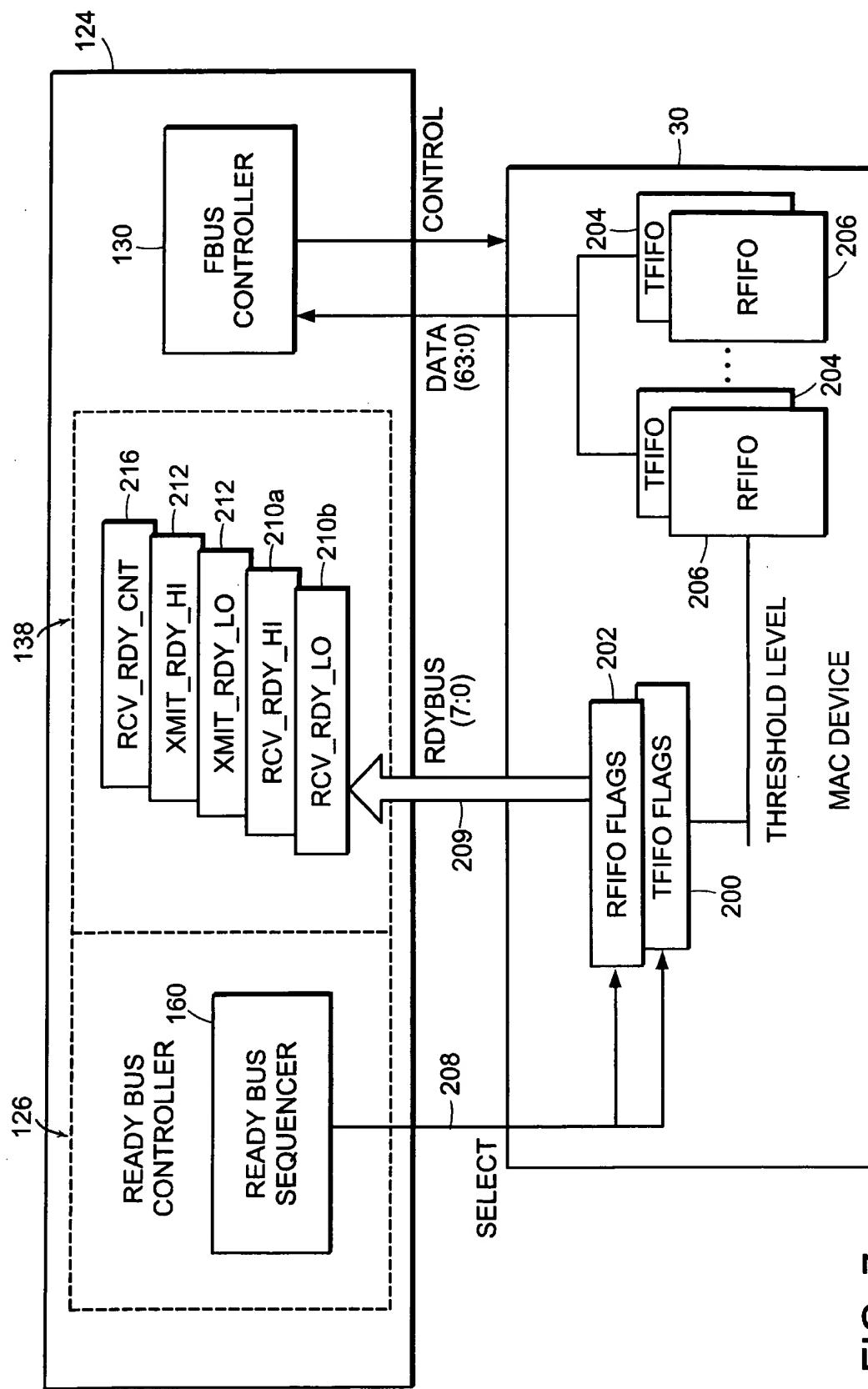| 230a	230b	230c	230d	230e	230f	230g	230h	230i	230j	230k	230l	230m	
RES	FA		JL	E2	E1	FS	NFE	IG FR	STGRS	TID	RM	RP	0
													1

231 ⌐
231 ⌐

FIG. 10A

232

232a	232b	232c	232d	232e	232f	232g	232h	232i	232j	232k	232l	
THRSG	MACPORT/ THD	SOP_ SEQ#	RF	REAR	SE	FE	EFOR	SNOR	VALID BYTES	EOP	SOP	0
												1
												2
												3

233 ⌐
233 ⌐
233 ⌐
233 ⌐

FIG. 10B

250

```
          ┌─────────────────────┐
          │   SELECT A DEVICE    │────252
          │  PORT TO SERVICE     │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
  254 ────│     IDENTIFY AN      │
          │  AVAILABLE THREAD    │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
  256 ────│   ASSIGN THE PORT    │
          │   TO THE THREAD      │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
  258 ────│  RECORD ASSIGNMENT   │
          │      ON LIST         │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
  260 ────│   ISSUE RECEIVE      │
          │ REQUEST FOR THE PORT │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
  262 ────│  DETERMINE THAT THE  │
          │ PORT REQUIRES SERVICE│
          └─────────────────────┘
                    │
                    ▼
            ◇──────────────◇
   264 ────│     PORT      │  NO
           │ ASSIGNED TO A │───────
           │    THREAD     │
            ◇──────────────◇
                  │ YES
                  ▼
            ◇──────────────◇
            │    THREAD     │
       NO   │   ASSIGNED    │
      ──────│ TO PORT COMPLETED│
            │  PROCESSING   │──266
            ◇──────────────◇
                  │
                  ▼
          ┌─────────────────────┐
  268 ────│ REMOVE ASSIGNMENT    │
          │    FROM LIST         │
          └─────────────────────┘
```

FIG. 11